

## ABORTION KIT

Revised 2006

This kit is designed to increase the potential for a definitive diagnosis in cases of abortion. Collection of samples in the field will greatly reduce autolytic changes and enhance the isolation of pathogenic organisms.

### CONTENTS:

- A. bottle with 10% formalin
- B. 3 small Whirl-Paks®
- C. 2 large Whirl-Paks®
- D. 1 blood tube
- E. SV43 form for abortions in large Whirl-Pak®  
(Absorbent material and gel packs are NOT included)

### GESTATIONAL AGE CHART:

#### BOVINE

<u>Age</u>	<u>Crown-Rump Length</u>	<u>Hair Development</u>
3 mo	13-17 cm	Lips, chin and eyelids
4 mo	22-32 cm	Fine on eyebrows
5 mo	30-45 cm	Eyebrows and lips
6 mo	40-60 cm	Inside ears, muzzle, tip of tail and horn pits
7 mo	55-75 cm	Metatarsal, metacarpal and long on tail tip
8 mo	60-85 cm	Fine, short hair over all of body
9 mo	70-100 cm	Complete coat and incisors present

#### EQUINE

3 mo	10-14 cm	
4 mo	15-20 cm	
5 mo	25-37 cm	Perhaps fine on orbital arch and tail tip
6 mo	35-60 cm	Nose, eyelashes, fine on mane, lips and orbital arch
7 mo	55-70 cm	Lips, nose, eyebrow, eyelids, edge of ear, back and mane
8 mo	60-80 cm	Mane, tail, back and distal extremities
9 mo	80-90 cm	Fine over entire body
10 mo	70-130 cm	Short over entire body, increase in mane and tail
11 mo	100-150 cm	Complete with color and testes descended

#### OVINE

1 mo	1.5 cm
2 mo	5.0 cm
3 mo	15 cm
4 mo	27 cm
5 mo	50 cm

#### PORCINE

1 mo	1.8- 2.5 cm
2 mo	8 - 11 cm
3 mo	17 - 23 cm

**PLEASE SEE INSTRUCTIONS ON THE REVERSE SIDE.....**

## INSTRUCTIONS:

1. Estimate gestational age – See chart.
2. Open chest and abdomen of fetus.
3. Collect abomasal contents and place into red top Vacutainer. Label tube by owner's name, animal identification and specimen. Place tube in small Whirl-pak and pad with adequate amounts of absorbent material to prevent leakage and breakage.
4. Collect fresh tissues as follows:
  - a. Placenta, including at least one cotyledon and portions of non-cotyledonary placenta, in a small Whirl-pak and label as in #3.
  - b. 1-2 inch cubes of lung, liver, spleen and kidney (palatine tonsil from swine) in second Whirl-pak and label as described in #3.
  - c. Place both Whirl-paks in large Whirl-pak.
5. Collect ½ inch cubes of liver, lung, heart, spleen, kidney, thymus, brain, diaphragm/tongue, and placenta, including cotyledonary and non-cotyledonary portions, and place in bottle of 10% formalin. Place formalin bottle in large Whirl-pak.
6. Collect from dam if available:
  - a. Red top tube of blood. The laboratory routinely only does Brucella titers on acute samples. If additional serologic tests are desired, remove serum from clot and freeze acute sample. Collect a convalescent sample in 10 days to 2 weeks (identify each sample) and submit both with *specific* serology requests on a SV2A form.
  - b. Caruncle from cow, if placenta not available. Place in Whirl-pak.
7. Complete SV43 and seal in Whirl-pak
8. Ship specimens to the laboratory under refrigeration (not frozen) as quickly as possible.

### US postal address:

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PO Box 997  
Bozeman, MT 59771

### UPS, Federal Express, Greyhound address:

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